WRITTEN ANSWERS TO UNSTARRED QUESTIONS

Nuclear Power Generation

213. SHRI RAMA MUNI REDDY SIRIGIREDDY:
SHRI K. RAMA MOHANA RAO:

Will the PRIME MINISTER be pleased to state:

(a) the quantum of nuclear power generated in the country during the last five years; year-wise and plant-wise;

(b) whether it is a fact that the Atomic Energy Commission has prepared a perspective plan for the next two decades;

(c) if so, what are the salient features thereof; and

(d) the manner in which Government are thinking of generating more atomic power during the next five years?

THE MINISTER OF STATE IN THE DEPARTMENT OF ATOMIC ENERGY (SHRIMATI VASUNDHARA RAJE) : (a) The total electricity generated in Million Units (MUs) from the nuclear power stations, plant-wise and year- wise, during the last five financial years is given as below:

Years Stations	1997-98	1998-99	1999-2000	2000-2001	2001-2002
TAPP- 1&2	2134	2294	2155	2408	2502
RAPS-2	#	990	1405	1600	1498
MAPS-1&2	1893	2188	2231	2515	2245
NAPS-1&2	3450	2808	3131	3044	3335
KAPS-1&2	2141	2894	3395	3494	3571
Kaiga-1&2	*		128	1900	2999
RAPS-3&4	**		15	1735	3049
RAPS-1	480	827	934	517	282

RAPS-2 commenced operation in June 1998 after completion of En-masse Coolant Channel Replacement and up-gradation jobs.

* Kaiga-1&2 commenced commercial operations on 16.11.2000 and 16.3.2000 respectively.

** RAPP-3&4 commenced commercial operations on 1.6.2000 and 23.12.2000 respectively.

(b) Yes, Sir.

(c) The present nuclear power generation capacity of 2720 MWe is planned to be increased to about 20,000 MWe by the year 2020.

(d) During the X Plan period, capacity addition of 1300 MWe of nuclear power is targeted by the completion of TAPP-3&4 (2x540 MWe) and Kaiga-3 (220 MWe), one out of the two units of the Kaiga-3&4 (2x220 MWe) project.

Emission of Radiation from Kakrapara Atomic Power Plant

214. SHRI RAJU PARMAR: Will the PRIME MINISTER be pleased to state:

(a) whether the Government are aware that Kakrapara Atomic Power Plant (KAPP), in Surat (Gujarat) is emitting radiation three times as much as of the international norms;

(b) if so, the details thereof and to what extent it is threatening the life of workers in KAPP; and

(c) whether the Atomic Energy Regulatory Board has warned the KAPP and if so, steps taken by the KAPP so far?

THE MINISTER OF STATE IN THE DEPARTMENT OF ATOMIC ENERGY (SHRIMATI VASUNDHARA RAJE) : (a) Emissions from Kakrapara Atomic Power Plant (KAPP) are well below the International norms.

(b) The radiation exposures received by workers in KAPP are well within the regulatory limits and there is no threat to the life of workers.

(c) Atomic Energy Regulatory Board has not issued any warning to KAPP as no regulatory limit has been exceeded.

Production of Atomic Energy

215. SHRI SURENDRA LATH: Will the PRIME MINISTER be pleased to state:

(a) the target set for production of atomic energy during the Ninth Five Year Plan period and achievement made during the Plan period;